

1 **CLAIMS**

2 What is claimed is:

3 1. A method comprising:  
4 receiving an initial code associated with a first framework, the initial code  
5 including a reference to a referenced class;  
6 converting the initial code to a converted code capable of execution on a  
7 second framework;  
8 executing the converted code on the second framework;  
9 detecting a need for the referenced class during execution of the converted  
10 code on the second framework; and  
11 loading the referenced class into memory accessible by the second  
12 framework.

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14 2. The method of claim 1 wherein the initial code comprises an applet.

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16 3. The method of claim 1 further comprising creating a reference type  
17 for the referenced class.

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19 4. The method of claim 1 wherein the referenced class comprises  
20 referenced class code associated with the first framework.

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22 5. The method of claim 4 further comprising converting the referenced  
23 class code to a converted reference class code capable of execution on the second  
24 framework.  
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1           6.     The method of claim 5 further comprising executing the converted  
2     referenced class code on the second framework.

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4           7.     A computer-readable medium storing computer-executable  
5     instructions to detect a need for a referenced class, the referenced class comprising  
6     code associated with a first framework; to initiate loading of the referenced class  
7     into memory associated with a second framework; and to initiate conversion of the  
8     code to a converted code capable of execution on the second framework.

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10          8.     A method comprising:  
11             receiving an initial code associated with a first framework, the initial code  
12             including a reference to a referenced class, the referenced class comprising  
13             referenced class code;

14             converting the initial code to a converted code capable of execution on a  
15             second framework;

16             executing the converted code on the second framework;

17             detecting a need for the referenced class during execution of the converted  
18             code on the second framework;

19             loading the referenced class code into memory accessible by the second  
20             framework; and

21             converting the referenced class code to a converted reference class code  
22             capable of execution on the second framework.

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24          9.     The method of claim 8 wherein the initial code comprises an applet.  
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1           10.    The method of claim 9 further comprising executing the converted  
2 reference class code on the second framework.

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4           11.    The method of claim 9 further comprising creating a reference type  
5 for the referenced class.

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7           12.    A user system comprising:  
8 an applet class loader;  
9 a converter; and  
10 a framework.

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12           13.    The system of claim 12 wherein the converter converts code  
13 associated with a first framework to a converted code capable of execution on a  
14 second framework.

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16           14.    The system of claim 13 wherein the framework comprises the  
17 second framework.

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19           15.    The system of claim 12 wherein the framework comprises a runtime  
20 engine.

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22           16.    The system of claim 12 wherein the framework comprises an  
23 application domain.

1 17. The system of claim 12 wherein the framework comprises a dynamic  
2 assembly.

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4 18. The system of claim 12 wherein the applet class loader loads class  
5 files comprising class file code associated with a first framework, the converter  
6 converts the class file code to a converted class file code capable of execution on a  
7 second framework; and the framework comprises the second framework and  
8 executes the converted class file code.

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10 19. A user system comprising:  
11 reception means for receiving an initial code associated with a first  
12 framework, the initial code including a reference to a referenced class;

13 conversion means for converting the initial code to a converted code  
14 capable of execution on a second framework;

15 execution means for executing the converted code on the second  
16 framework;

17 detection means for detecting a need for the referenced class during  
18 execution of the converted code on the second framework; and

19 load means loading the referenced class into memory accessible by the  
20 second framework.

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22 20. The user system of claim 19 wherein the load means includes an  
23 applet class loader.  
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1           21.    The user system of claim 19 wherein the execution means includes a  
2 runtime engine.

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4           22.    The user system of claim 19 wherein the reception means includes a  
5 browser.

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7           23.    The user system of claim 19 wherein the initial code includes an  
8 applet.

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10          24.    A method comprising:  
11           receiving an applet associated with a first framework, the applet including  
12 applet code and a reference to a referenced class;  
13           converting the applet code to an intermediate language code capable of  
14 execution on a second framework;  
15           executing the intermediate language code on the second framework;  
16           detecting a need for the referenced class during execution of the  
17 intermediate language code on the second framework; and  
18           loading the referenced class into memory accessible by the second  
19 framework.

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